2008-01-09 0760-0354PUS1 SEQUENCE LISTING

			J.	QU	~ - -								
<110>	UCHIDA, Yoshiaki FUJII, Nobuyuki KURANO, Yoshihiro OKADA, Masahisa KOGAKI, Hiroyuki KIDO, Yasuji												
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aca tt Thr Ph	t ggt gga e Gly Gly 20	a ccc ac / Pro Th	a gat r Asp	tca Ser	act Thr 25	gac Asp	aat Asn	aac Asn	cag Gln	aat Asn 30	gga Gly	gga Gly	96
	t ggg gca n Gly Ala 35												144
aat ac Asn Th 50	t gcg tc r Ala Sei	t tgg tt r Trp Ph	c aca e Thr 55	gct Ala	ctc Leu	act Thr	cag Gln	cat His 60	ggc Gly	aag Lys	gag Glu	gaa Glu	192
ctt ag Leu Ar 65	a ttc cct g Phe Pro	t cga gg o Arg Gl 70	c cag y Gln	ggc Gly	gtt Val	cca Pro	atc Ile 75	aac Asn	acc Thr	aat Asn	agt Ser	ggt Gly 80	240
cca ga Pro As	t gac caa p Asp Gli	a att gg n Ile Gl 85	c tac y Tyr	tac Tyr	cga Arg	Arg 90	gct Ala Page	Thr	cga Arg	cga Arg	gtt Val 95	cgt Arg	288

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gaa Glu	ggc Gly 130	atc Ile	gta Val	tgg ⊤rp	gtt Val	gca Ala 135	act Thr	gag Glu	gga Gly	gcc Ala	ttg Leu 140	aat Asn	aca Thr	ccc Pro	aaa Lys	432
gac Asp 145	cac His	att Ile	ggc Gly	acc Thr	cgc Arg 150	aat Asn	cct Pro	aat Asn	aac Asn	aat Asn 155	gct Ala	gcc Ala	acc Thr	gtg Val	cta Leu 160	480
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agc Ser	aga Arg	ggc Gly	ggc Gly 180	agt Ser	caa Gln	gcc Ala	tct Ser	tct Ser 185	cgc Arg	tcc Ser	tca Ser	tca Ser	cgt Arg 190	agt Ser	cgc Arg	576
ggt Gly	aat Asn	tca Ser 195	aga Arg	aat Asn	tca Ser	act Thr	cct Pro 200	ggc Gly	agc Ser	agt Ser	agg Arg	gga Gly 205	aat Asn	tct Ser	cct Pro	624
gct Ala	cga Arg 210	atg Met	gct Ala	agc Ser	gga Gly	ggt Gly 215	ggt Gly	gaa Glu	act Thr	gcc Ala	ctc Leu 220	gcg Ala	cta Leu	ttg Leu	ctg Leu	672
cta Leu 225	gac Asp	aga Arg	ttg Leu	aac Asn	cag Gln 230	ctt Leu	gag Glu	agc Ser	aaa Lys	gtt Val 235	tct Ser	ggt Gly	aaa Lys	ggc Gly	caa G1n 240	720
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caa Gln	gca Ala	ttt Phe 275	ggg Gly	aga Arg	cgt Arg	ggt Gly	cca Pro 280	gaa Glu	caa Gln	acc Thr	caa Gln	gga Gly 285	aat Asn	ttc Phe	ggg Gly	864
					aga Arg											912
					cca Pro 310											960
att Ile	ggc Gly	atg Met	gaa Glu	gtc Val 325	aca Thr	cct Pro	tcg ser	gga Gly	aca Thr 330	tgg Trp	ctg Leu	act Thr	tat Tyr	cat His 335	gga Gly	1008
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Arg Asn Gly A	ala Arg Pro L	ys Gln Arg 40	Arg Pro Gln Gly 45	Leu Pro Asn
Asn Thr Ala S 50	•	Thr Ala Leu 55	Thr Gln His Gly 60	Lys Glu Glu
Leu Arg Phe P 65	Pro Arg Gly G 70	iln Gly Val	Pro Ile Asn Thr 75	Asn Ser Gly 80
Pro Asp Asp G	Gln Ile Gly T 85		Arg Ala Thr Arg 90	Arg Val Arg 95
	Gly Lys Met L 100	ys Glu Leu 105	Ser Pro Arg Trp	Tyr Phe Tyr 110
Tyr Leu Gly T 115	hr Gly Pro G	ilu Ala Ser 120	Leu Pro Tyr Gly 125	Ala Asn Lys
Glu Gly Ile V	⁄al Trp Val A	ala Thr Glu	Gly Ala Leu Asn Page 3	Thr Pro Lys

Asp His Ile Gly Thr Arg Asn Pro Asn Asn Asn Ala Ala Thr Val Leu 145 150 155 160 Gln Leu Pro Gln Gly Thr Thr Leu Pro Lys Gly Phe Tyr Ala Glu Gly 165 170 175 Ser Arg Gly Gly Ser Gln Ala Ser Ser Arg Ser Ser Ser Arg Ser Arg 180 185 190Gly Asn Ser Arg Asn Ser Thr Pro Gly Ser Ser Arg Gly Asn Ser Pro 195 200 205Ala Arg Met Ala Ser Gly Gly Glu Thr Ala Leu Ala Leu Leu Leu 210 215 220 Leu Asp Arg Leu Asn Gln Leu Glu Ser Lys Val Ser Gly Lys Gly Gln 225 230 235 240 Gln Gln Gln Gly Gln Thr Val Thr Lys Lys Ser Ala Ala Glu Ala Ser 245 250 255 Lys Lys Pro Arg Gln Lys Arg Thr Ala Thr Lys Gln Tyr Asn Val Thr 260 265 270 Gln Ala Phe Gly Arg Arg Gly Pro Glu Gln Thr Gln Gly Asn Phe Gly 275 280 285 Asp Gln Asp Leu Ile Arg Gln Gly Thr Asp Tyr Lys His Trp Pro Gln 290 295 300 Ile Ala Gln Phe Ala Pro Ser Ala Ser Ala Phe Phe Gly Met Ser Arg 305 310 315 320 Ile Gly Met Glu Val Thr Pro Ser Gly Thr Trp Leu Thr Tyr His Gly 325 330 335 Ala Ile Lys Leu Asp Asp Lys Asp Pro Gln Phe Lys Asp Asn Val Ile 340 350 Leu Leu Asn Lys His Ile Asp Ala Tyr Lys Thr Phe Pro Pro Thr Glu 355 360 365 Pro Lys Lys Asp Lys Lys Lys Thr Asp Glu Ala Gln Pro Leu Pro 370 375 380

135

2008-01-09 0760-0354PUS1 Gln Arg Gln Lys Lys Gln Pro Thr Val Thr Leu Leu Pro Ala Ala Asp 385 390 395 400

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Ala Asp Ser Thr Gln Ala

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A synthetic peptide sequence consisting of the amino acids 244-260 of SEQ ID NO:2 and Cysteine <223>

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Arg Cys